

### [54] ENDOVASCULAR STENT APPARATUS AND METHOD

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[21] Appl. No.: 295,129

[22] Filed: Jan. 9, 1989

[51] Int. Cl.<sup>4</sup> ..... A61M 29/00; A61F 2/06

[52] U.S. Cl. .... 128/343; 604/96; 604/104; 623/1; 623/12

[58] Field of Search ..... 623/1, 12; 128/343, 128/344, 334 R; 604/8, 96, 104

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### [57] ABSTRACT

A stent for reinforcing a vessel wall is constructed from a single elongated wire. The wire is first bent into a series of tight bends. The wire is then further bent into a sequence of loops that are connected by half hitch junctions and interconnections which are either aligned or spiral around a circumference of the stent. The completed stent forms a cylindrical form which can be expanded from a initial diameter to a larger implanted diameter by application of a radially outward force from a balloon catheter or the like.

10 Claims, 2 Drawing Sheets

